

PAVED FLUME - TYPES A & B

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1	1-97	MSM									

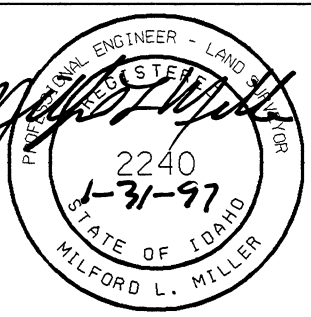
SCALES SHOWN
ARE FOR 17" X 11"
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DRAWING ORIG. DATE:
FEBURARY, 1996

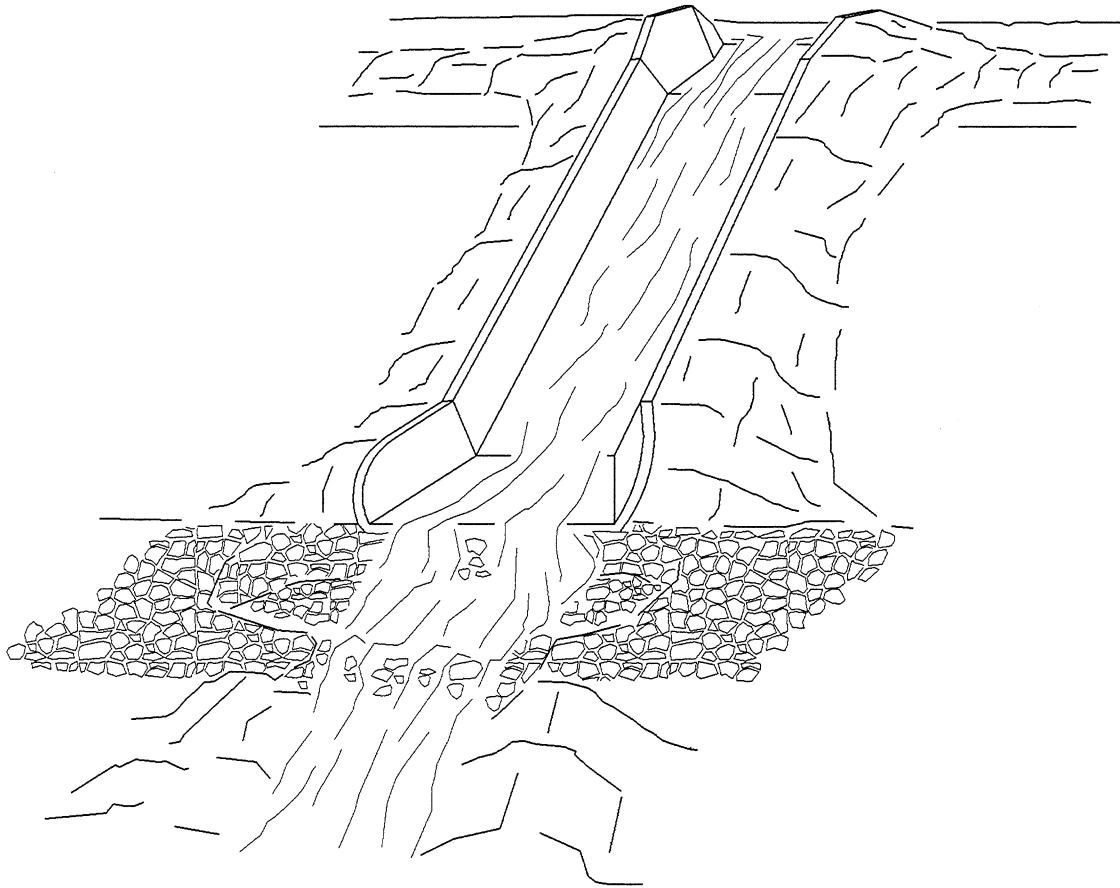
IDAHO
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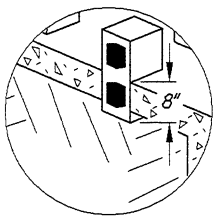
STANDARD DRAWING
PERMANENT EROSION CONTROL
PAVED FLUME
REQUIRES SHEET 2 OF 2
& STD. DWG. P-2-A

FORM CATALOG NUMBER
STANDARD DRAWING NO.
P-2-D
SHEET 1 OF 2

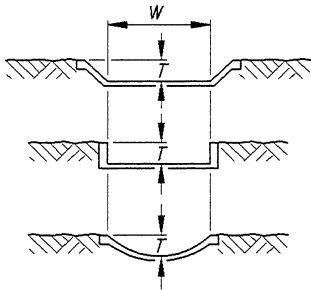




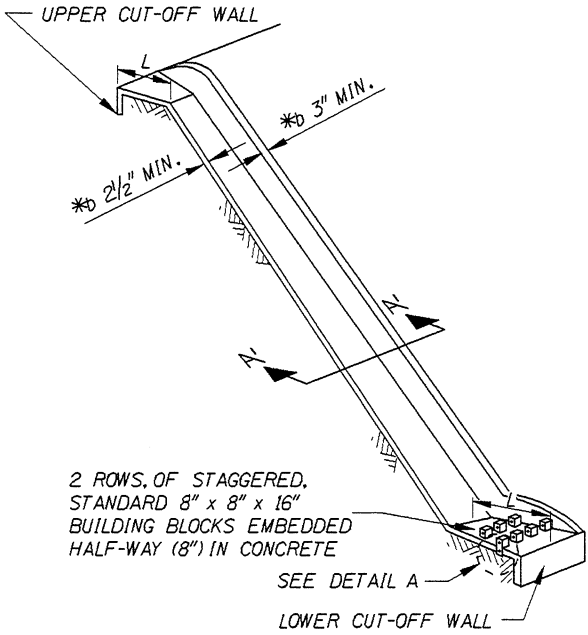
PAVED FLUME - PERSPECTIVE VIEW
(TYPE A OR B SHOWN)



DETAIL A



ALTERNATE SECTIONS A'-A'



2 ROWS OF STAGGERED,
STANDARD 8" x 8" x 16"
BUILDING BLOCKS EMBEDDED
HALF-WAY (8") IN CONCRETE

SEE DETAIL A

LOWER CUT-OFF WALL

*d (SEE NOTE NO. 6).

SECTION/PERSPECTIVE VIEW
PAVED FLUME - TYPE C

DESIGN CRITERIA TABLE					
TYPE	W BOTTOM WIDTH	H MIN.	T MIN.	L MIN.	MAXIMUM DRAINAGE AREA
A-2	2'	1.5'	8"	5'	5 ACRES
A-4	4'	1.5'	8"	5'	8 ACRES
A-6	6'	1.5'	8"	5'	11 ACRES
A-8	8'	1.5'	8"	5'	14 ACRES
A-10	10'	1.5'	8"	5'	18 ACRES
B-4	4'	2'	10"	6'	14 ACRES
B-6	6'	2'	10"	6'	20 ACRES
B-8	8'	2'	10"	6'	25 ACRES
B-10	10'	2'	10"	6'	31 ACRES
B-12	12'	2'	10"	6'	36 ACRES
C-(n)	n = 1' - 2'	N/A	6"	2' - 5'	<5 ACRES

NOTES

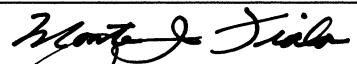
1. THE GENERAL NOTES FOR ALL P-2 SERIES STANDARD DRAWINGS (PERMANENT EROSION CONTROL) ARE GIVEN ON STANDARD DRAWING P-2-A (PERMANENT EROSION CONTROL GABIONS & REVERT MATTRESSES).
2. A PAVED FLUME MAY BE CONSTRUCTED TO DRAIN CONCENTRATED SURFACE RUNOFF SAFELY DOWN SLOPES WITHOUT CAUSING EROSION. THE DRAINAGE AREA CONTRIBUTING RUNOFF TO A PAVED FLUME SHOULD NOT EXCEED THAT GIVEN IN THE DESIGN CRITERIA ABOVE. THE PAVED FLUME SHOULD BE SIZED TO DRAIN THE PEAK RATE OF RUNOFF WITHOUT OVERTOPPING AT THE EARTH DIKE ENTRANCE. A 25 YEAR STORM DRAIN FREQUENCY MAY BE USED TO CALCULATE THE FLOW RATE.
3. THE TYPE IS A DESIGNATOR FOR THE DIMENSIONS OF THE PAVED FLUME. THE TYPE IS DESIGNATED BY A LETTER (A, B, OR C), A DASH, AND FOLLOWED BY THE NUMERICAL BOTTOM WIDTH (W). THE APPROPRIATE SIZE (TYPE) SHOULD BE INDICATED ON THE PLANS.
4. THE AGGREGATE OF THE ENERGY DISSIPATOR SHOULD BE SECURED WITH 20 GAUGE GALVANIZED WOVEN WIRE MESH WITH 1" DIAMETER HEXAGONAL OPENING. THE AGGREGATE SHOULD BE PLACED ON THE MESH TO THE DIMENSIONS SPECIFIED. THE MESH SHALL BE FOLDED AT THE UPSTREAM SIDE OVER THE AGGREGATE AND TIGHTLY SECURED TO ITSELF AT THE BOTTOM DOWNSTREAM SIDE USING WIRE TIES, HOG RINGS, OR LATCHING PLASTIC TIES. MESH LAPPING SHALL BE A MIN. 6" AND MESH SPLICES LAPPED AND SECURED IN THE SAME MANNER AS THE DOWNSTREAM SIDE.
5. THE WIRE MESH MAY BE ELIMINATED WHEN USED ON LOW VOLUME FLOWS AND AT LEAST 50% OF THE AGGREGATE SIZES ARE BETWEEN 6" AND 9".
6. TYPE C PAVED FLUMES REQUIRE A MINIMUM FLOOR THICKNESS OF 2 1/2". THE WING WALL ENDS AND UPPER/LOWER CUT-OFF WALL REQUIRE A MINIMUM THICKNESS OF 3".
7. NOT TO SCALE.

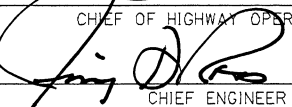
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CHIEF ENGINEER

STANDARD DRAWING
PERMANENT EROSION CONTROL
PAVED FLUME
REQUIRES SHEET 1 OF 2
& STD. DWG. P-2-A

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P-2-D
SHEET 2 OF 2

